

Data Source Documentation

Indicator	Immunizations, under age 2
Demographic Group	Wisconsin children aged 19 to 35 months
Numerator	The number of Wisconsin children aged 19 to 35 months for whom both National Immunization Survey (NIS) household interview data and adequate provider verification data were obtained, and who received the 4:3:1:3:3 series of vaccinations. (See Details about Data Item, below.)
Denominator	The number of Wisconsin children aged 19 to 35 months for whom both National Immunization Survey (NIS) household interview data and adequate provider verification data were obtained. (See Details about Data Item, below.)
Details about Data Item	<p>The Wisconsin Immunization Program in the Division of Public Health recommends the 4:3:1:3:3 series of immunizations for children by age 24 months, signifying the following: four or more doses of diphtheria-tetanus-pertussis (DTP) vaccine, three or more doses of poliovirus vaccine, one or more doses of any measles-containing vaccine (MCV), three or more doses of haemophilus influenzae (Hib) vaccine and three or more doses of hepatitis B (HepB) vaccine.</p> <p>The U.S. Centers for Disease Control and Prevention (CDC) and the Wisconsin Immunization Program consider NIS estimates for immunizations of children aged 19 to 35 months the preferred measure of immunizations by age two. These estimates include both children who received immunizations on time (by 24 months) and those who received them late (between 25 and 35 months).</p> <p>The N, or number of cases, for each year in this measure is the number of Wisconsin children for whom both a household interview and a provider interview were obtained. On an annual basis, 68% to 71% of NIS household interviews have complete provider data available. The total NIS household interviews in Wisconsin for the years 2000 through 2003 are 769, 783, 765 and 690, respectively. In 2004, the CDC reported the actual number of cases (549) where both types of data were present, as shown in the table. The number of Wisconsin NIS household interviews in 2004 was 761.</p> <p>In the tables, the 95% confidence interval (the “+/-“ column) indicates the range in which 95 of 100 identical surveys would estimate the percent of children who are fully immunized between the ages of 19 and 35 months. Add the confidence interval to the estimated percent to find the high boundary and subtract it to find the low boundary. Smaller numbers of cases in the denominator produce larger confidence intervals. Results shown in the table are weighted to represent the overall population of Wisconsin children aged 19 to 35 months.</p>

Other Data Information	The NIS is a national probability telephone survey designed to reach households that include children aged 19 to 35 months. Households with children in the target age range are identified and the adult who is most knowledgeable about the child's vaccinations is interviewed. At the close of the household interview, the child's parent or guardian is asked for consent to contact the vaccination provider(s) to request verifying information from the child's medical records. Providers are contacted by mail, with (mail) follow-up if necessary.
Reference Time Period	The child's entire lifetime to date (prior to the survey)
Data Source	National Immunization Survey; U.S. Centers for Disease Control and Prevention. (http://www.cdc.gov/nip/coverage/default.htm#chart)
Additional Information	Additional information about the Wisconsin Immunization Program is available at http://dhfs.wisconsin.gov/immunization/ . Additional information about the National Immunization Survey is available at http://www.cdc.gov/nis/ .